

Preparation of Metal for Cold Upsetting, by
N. A. Smol'yanikov, I. G. Shushakov, 4 pp.

RUSSIAN, per, Stal, No 12, 1959, pp 1135-1139.

BISI

Sci

Jun 60

118,428

Multiple Reflections, by S. D. Shushakov, 18 pp.

RUSSIAN, per, Priklad Geofiz, No 20, 1958,
pp 3-25.

ATS 72129R RJ-1816

Sci - Geophys
Sep 59
Vol 2, No 2

98,014

Lactones and Lactams. XIX. 6-Alkyl-3, 4-Dihydropyrone
-2

By N. P. Shusherina and R. Ya. Levina pp. 6

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 11,
1962, pp. 3602 - 3607

GB

Sc1

Aug 63

344,688

⁸
δ-Lactones and δ-Lactams, XXIV. The Reduction of δ-lactones by Lithium Aluminum Hydride, The Preparation of δ-Dihydropyrans, by N. P. Shusharina, I. S. Trubnikov, R. Ya. Levina, 3pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 4, 1961, pp. 1076 - 1078

CB

196,668

Sci
Apr 62

Multiple Reflected Waves, by S. D. Shushakov, 24 pp.

RUSSIAN, bk, Prikladnaya Geofizika, 1962.

PP
Lib Congress Card No 60-53385

Sci

Sep 62

CIA Lib No TN
269
.P9

Regeneration of Oxythiocarsenate Solutions, by N. I. Brodskaya, M. I. Gerber, V. P. Teodorovich, A. D. Shusharina, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXX, No 11, 1957, pp 1588-1592.

Consultants Bureau

Sci - Chem

Feb 59

82,158

Investigation of the Rate of Absorption of
Hydrogen Sulfide by Arsenical Soda Liquors, by
M. I. Gerber, V. P. Teodorovich, A. D. Shusharina,
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXI, No 10,
1958, pp 1478-1483.

CB

Sci - Chem
Nov 59

100,971

Investigation of the Rate of Absorption of
Hydrogen Sulfide by Arsenical Soda Solution,
by H. I. Garber, V. P. Tsyodorovich, and
A. D. Shusharina, 3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXI, No 11,
1958, pp 1624-1627.

Consultants Bureau

Sci

102,230

Dec 59

SHUSHARINA, A. D.

Polarographic Analysis of Sulfur Compounds.
II. Elemental Sulfur and Disulfides, N. I.
Gerber, A. D. Shusharina, Zhur Analit Khim,
USSR, 5, No 5, 262 - 267, 1950. C. A. 44,
10593a, 1950. Approx 3300 words; 10 tables;
8 figures; 6 references. Price \$7.00 (\$1.00)

Assocd Services
New Jersey

RJ-40

A11092

{ Lactones and γ -Lactams XXXIII. Dichlorides
of 3, 4-Dihydropyrid-2-Ones, by N. P. Shusherina,
Khuai Khuai-min', 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII, No 9,
1963, pp 2829-2833.

CB

Sci
Aug 64

264,330

6-Lactones and 6-Lactams. XXII. Nitration of
5,6-Disubstituted 2-Pyrones, by N. P.
Shusherina, N. D. Dmitriyeva, T. F. Kozlova, 3 pp.

RUSSIAN, per Zhur Obshch Khim, Vol XXX, No 9,
1960, pp 2829-2831.

CB

170.684

Sci

Sep 61

Cyanethylation of Ketones in the Synthesis of
Unsaturated Lactones. δ -Lactones with a
Heptacyclic Double Bond, by R. Ya. Levina,
N. P. Shusharina, M. Yu. Lurye, and N. D.
Orlova, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,
No 2, 1956, p 279.

Consultants Bureau
~~CONFIDENTIAL~~

Sci - Chemistry
Dec 56 CTS

41,491

δ -lactones. XVI. Synthesis of Aryl Substituted
 δ -Enol Lactones, by N. P. Shusherina, I. S.
Trubnikov, R. Ya. Levina, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 4,
1959, pp 1062, 1063.

Consultants Bureau

Sci

Jun 60

117,863

δ -Lactones. XIII. Synthesis of 6-Methyl-5-Alkyl-3,4-Dihydro- α -Pyrones, by N. P. Shusharina, R. Ya. Levina, Z. S. Sidenko, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2, 1959, pp 398-402.

Consultants Bureau

Sci

Apr 60

112,320

δ -Lactones. XIV. Synthesis of 6-Methyl-5-Alkyl-
d-Pyrones, by N. P. (Buzharina), R. Ya. Levina,
Z. S. Sidenko, M. Yu. Lur'e, 4 pp.

RUSSIAN, per, Zhur Gashch Khim, Vol XXIX, No 2,
1959, pp 403-406.

Consultants Bureau

Sci

Apr 60

112, 321

Cyanethylated Ketones in the Synthesis of Unsaturated
 δ -Lactones. A New Method of Synthesis of α -Pyrones,
by N. P. Shusharina, M. Yu. Lurye, R. Ya. Levina,
4 pp.

RUSSIAN, thrice-so per, Dok Ak Nauk SSSR, Vol CIX,
No 1, pp 117-120. Jul/Aug 1956

Consultants Bureau

56,618

Sci - Chem

Dec 57

Σ -Lactones. XI. 9,10-Dibromo-7,8-Benzohexahydrooxanin and Its Reactions, by N. P. Shusharina, R. Ya. Levina, L. V. Kondratyeva, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 8, 1957, pp 2255-2259.

Consultants Bureau

Sel - Chem
Oct 58

74, 214

δ -Lactones. XVII. Synthesis of Aryl- and Alkaryl-
 α -pyrones, by N. P. Shusherina, R. Ya. Levina,
I. S. Trubnikov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,
1959, pp 2942-2944.

CB

Sci

129,288

Sep 60

8-Lactones. X. 9 10-Dibromooctahydrocoumarin
and Its Reactions, by M. P. Smusharina, M. Yu.
Lurye, R. Ya. Levina, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 8,
1957, pp 2250-2254.

Consultants Bureau

Sol - Chem
Oct 58

74, 213

Cyanoethylated Ketones in the Synthesis of Unsaturated
 β -Lactones. VII. Isomeric Benzotetrahydrocoumarins,
by N. P. Shusharina, R. Ya. Levina, V. I. Zdanovich,
6 pp.

RUSSIAN, as per, Zhur Obshch Khim, Vol XXVI, No 10,
Oct 1956, pp 2847-2851.

Consultants Bureau

Sci - Chemistry
Mar 58

60,123

Synthesis of Hydrocarbons. XLVII. Synthesis of Cyclohexene and Cyclohexane Hydrocarbons with a Quaternary Carbon Atom on the Basis of 1,3,5-Trimethylcyclohexadiene-1,3, by R. Ya. Levina, Kim Dya Gir, N. P. Shusherina, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim SSSR, Vol XXV, No 4, Apr 55, pp 768-771. CIA C 39500

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28,894

γ -Lactones. Preparation of Acylated Butyrolactones from δ -Bromo- δ -Keto Acids, by N. P. Shusharina, M. Yu. Lurye, R. Ya. Levina, 4 pp. 1957

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 5, pp 1084-1087.

Consultants Bureau

Sci - Chem
Aug 58

67, 641

γ -Lactones. Conversion of Dibromides of
Unsaturated β -Lactones to Bromo-Substituted
 δ -Keto Acids and their Esters, by R. Ya.
Levina, M. P. Shusharina, M. Yu. Lurye,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII,
No 4, pp 820-823.

Consultants Bureau

Sci - Chem
Aug 58

67, 658

Cyanoethylated Ketones in the Synthesis of Unsaturated δ -Lactones, V. The Synthesis and Properties of Unsaturated δ -Lactones from Monocyanoethylated Acetone and Cyclohexanone by M. P. Shusharina, R. Ya. Levina, and M. Yu. Lurye, 6 pp.

Full tr

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 3, 1996, p 750-754.

Consultants Bureau

42,550

Sci - Chemistry
Jan 57 OCS

δ -Lactones. XII. Synthesis and Properties of 6-Phenyl-3,4-dihydro- α -Pyrone, by M. Yu. Lur'e, I. S. Trubnikov, N. P. Shusherina, R. Ya. Levina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 5, 1958, pp 1351-1354.

Consultants Bureau

Sci - Chem

Jul 59

93, 311

Synthesis of Hydrocarbons. XXI. Hydrobromides of
Dienes in the Synthesis of Olefins and Paraffins
with a Quaternary Carbon Atom, by R. Ya. Levina
and N. P. Shusharina, 6 pp.

Full translation

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 4,
USSR, Apr 1952, pp ~~572-573~~ 577-584

Consultants Bureau

7527

Scientific - Chemistry

Dec 53 CTS

δ -Lactones and δ -Lactams. XXI. Dibromides of
 δ -Enollactams (5, 6-Dibromo-5,6-dialkyl-2-piperidones),
by N. P. Shusharina, A. V. Golovin, R. Ya. Levina,
7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 6,
1960, pp 1762-1768.

CB

Sci
Aug 61

162,609

-Lactones and -Lactams. XXVIII. Dehydrobromination
of Isomeric Benzotetrahydrocoumarin Dibromides, by
N. P. Shusherina, N. D. Dmitryeva, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 1,
1962, pp 213-216.

CB

Sci

Oct 62

216,1879

-Lactones and -Lactams. XXVII. Reactions of 5-Bromo-1,6-Dehydropiperidones-2 With Ammonia and Amines, by N. P. Shusherina, R. Ya. Levina, 4 pp.

RUSSIAN, PER, Zhur Obshch Khim, Vol XXXII, No 1, 1962, pp 89-92.

CB

Sci

Oct 62

216,150

Cyanoethylated Ketones in the Synthesis of
Unsaturated δ -Lactones. II. Synthesis and
Properties of the Unsaturated δ -Lactones from
 α -Acetylvaleronitrile, by R. Ya. Levina,
N. P. Shusharina, M. Yu. Lurya, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 8,
1954, pp 1439- 1443. CIA C 41477 33,313

Consultants Bureau

Scientific - Chemistry
Apr 56 CTS/dex

Synthesis of Hydrocarbons. XLV. Synthesis of Cyclohexene and Cyclohexane Hydrocarbons With a Quarternary Carbon Atom, Based Upon 1.3-Dimethyl Cyclohexadiene-1.3., by R. Ya. Levina, N. P. Shusharina, Kim Dyai Gir, E. G. Treshchova, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 9, Sep 1954, pp 1551-1557. CIA C 42159.

Consultants Bureau

35,162

Sci - Chemistry

Jun 1956/Dex

3. Lactones, 5-Bromopyrones-2, by H. F.
Shuchorina, R. Ya. Lovina, N. D. Daitriyeva,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI,
No 3, 1959, pp 589-.

Consultants Bureau

119,490

Sci

un 60

Synthesis of Hydrocarbons. XXXVIII. Synthesis
of Alkenes and Alkanes with Two Quaternary
Carbon Atoms, by R. Ya. Levina, N. P. Shusharina,
W. I. Volchinskaya, M. Yu. Lurye, 4 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XXIII, No 3,
Mar 1953, pp 400-402.

Consultants Bureau

13,223

Scientific - Chemistry

5 -Lactones. XVIII. Interaction of 5,6-Dialkyl-
-pyrones With Acetylenedicarboxylic Ester.
New Synthesis of 3,4-Dialkylphthalic Acids, by
M. P. Shusherina, R. Ya. Levina, V. N.
Shchetakovskiy, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 10,
1959, pp 3237, 3238.

CB

Sci

Oct 60

130,594

Synthesis of Hydrocarbons. XVII. Homomesitones
in the Synthesis of Paraffin Hydrocarbons of
Isomeric Structure, by R. Ya. Levina, N. P.
Shusharina, E. G. Treshchova, V. M. Tatevski,
20 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XXII, No 2,
Feb 1952, pp 199-207.

Consultants Bureau
152 West 42nd Street
New York 18, N. Y.

Scientific - Chemistry

May 53 CTS

1978

271,054
Method for Improving the Real Selectivity of Am
Receivers, by V. M. Smashin, A. P. Zelenin, 7 pp.

RUSSIAN, per, Iz Vysokikh Ucheb Zaved MVISSO SSSR po
Razdelu Radiotekh, Vol VI, No 3, 1963, pp 3311-313.

JPRS 22132

Sci
Dec 63

244,058

Determination of the Content of Bituminous Impurity
in High Purity Elementary Sulfur, by A. N. Alekseyeva,
I. M. Shushkova, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXVII, No 7, 1961,
pp 811-813.

ISA

Sci
May 62

194,704

Evaluating Zooplankton Production, by P. G.
Petrovich, E. A. Shushkina, G. A. Pechen',
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 5, 1961, pp 1235.

AIBS

Sci

Feb 62

184.557

Structure of Metals and Alloys After Vacuum Heating,
by L. I. Shushpanov,

RUSSIAN, per, Metallurg, Vol XII, No 6, 1937,
pp 31-36. .

Brutcher Tr No 3304

Scientific - Min/Metals

13,732

R-5858-D
14 Sept 65

Geocryology Research
By: Ye. P. Shushrina & S. S. Vyalov
From: University of Moscow Publishing House,
1963 pp 314-348

(35 pp)

K

REARRANGEMENT OF SOME ORGANOTIN AND -LEAD
D PEROXIDE COMPOUNDS, BY V. A. SHUSHUNOV, T. G.
BRILKINA, 4pp.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI,
NO 6, 1961, PP 1391-1394

CB

SCI

205,835

AUG 62

Shushunov, V. A. and Shlapnikov, Yu. A.
KINETIC METHOD OF PHYSICAL CHEMICAL
ANALYSIS. III. KINETIC REACTION OF THE
TERNARY ALLOYS Na + Pb + Mg WITH THE VAPORS
OF ETHYL CHLORIDE. [1963] 10p. (figs. omitted)
7 refs.

Order from OTS or SLA \$1.10

63-16041

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1948,
v. 22 [no. 2] p. 157-160.

DESCRIPTORS: *Phase studies, Chemical analysis,
*Sodium alloys, *Lead alloys, *Magnesium alloys,
*Ethanes, Chlorides, Vapor pressure, Ethyl radicals,
Lead, Synthesis (Chemistry), Reaction kinetics.

It was established that the addition of magnesium to
NaPb alloy does not modify the character of the kinetic
curves of the reaction forming tetraethyllead. The
(Chemistry--Physical, TT, v. 10, no. 6) (over)

63-16041

I. Shushunov, V. A.
II. Shlapnikov, Yu. A.
III. Title: Kinetic...

1244554

Office of Technical Services

The Reversibility of the Decomposition of Benzoyloxy
Radicals in Solutions, by V. A. Shushunov, Yu. A.
Aleksandrov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 2, 1960,
pp 632-634.

CB

Sci

May 61

154,092

Conversion of Cyanides of Certain Metals into Thio-
Cyanamides, by V. A. Shushunov, A. M. Pavlov,
K. G. Fedynakova, 8 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXIX, No ¹¹~~10~~,
1956, pp 1637-1643.

Consultants Bureau

Sci ^r
" - Chem

Mar 58

59,404

Mechanism of the Chemical Processes Taking
Place in Cyaniding Bayhs, by V. A. Shushunov,
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXI, No 9,
1958, pp 1371-1375.

Consultants Bureau

Sci - Chem

Sept 59

97,439

The Kinetics of the Formation of Calcium
Hydride, by V. A. Shushunov, A. I.
Shafiyev, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, 1952,
pp 672-679.

AEC Tr 3220

Sci - Physics
Jun 58

65,944

The Kinetics of the Reaction Between Calcium and
Hydrogen, by V. A. Shushunov, I. A. Shafyev, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
LXXVIII, 1951, pp 1181-1184.

AEC Tr 3232

Sci - Physics
Jun 58

65,952

The Chain Reaction of Carbon Tetrachloride With
Isopropyl Alcohol Initiated by Acetylated and
Benzoylated Hydroperoxides of 1-Hydroxycyclohexanone,
by G. A. Kolpovskaya, B. N. Moryganov, G. A. Razuvaev,
V. A. Shushinov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 7,
Jul 1956, pp 1981-1985.

Consultants Bureau

55, 025-

Sci - Chemistry
Nov 57

The Decomposition of Cumene Hydroperoxide
catalyzed by KU-2 Cation-Exchange Resin, by
G. A. Razuvaev, V. A. Shushunov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 5, 1961, pp 1128-1131.

CB

Sci

200,805

Jun 62

Shushunov, V. A. and Baryshnikov, Yu. N.
KINETICS OF REACTION OF Na-Pb AND K-Na-Pb
ALLOYS WITH ETHYL CHLORIDE VAPORS. [1968]
23p (figs omitted) 6rads
Order from OTS, SLA, or ETC \$2.50 TT-64-14698

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1968,
v. 42, no. 6, p. 220-229.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14698

I. Shushunov, V. A.
E. Baryshnikov, Yu. N.

000000

Office of Technical Services

Kinetics of the Photochlorination Reaction of
Benzene, by V. A. Shushunov, G. M. Strongin,
Y. I. Gryzin, A. V. Rukanov, 8 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, No 4,
1951, pp 404-408.

SLA Tr R-561

Sci - Chem
Jul 57

49,941

The Kinetics of Acid-Catalyzed Decomposition of
Arylalkyl Hydroperoxides, by V. A. Shushunov,
Yu. A. Shlyapnikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 2,
1959, pp 341-

Consultants Bureau

Sci

Aug 60

126,517

(FDD 25309)

Kinetics of the Reaction of Calcium With Nitrogen,
by V. A. Shushinov, Yu. N. Baryshnikov, 20 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXVII, No 5,
Moscow, 1953, pp 703-712

CIA/FDD/U-7494

RT-3303

USSR

Sci - Chemistry, physical

29,677

Influence of Certain Factors on the Rate of Oxidation
of Cumene by Oxygen and on the Yield of Cumene Hydro-
peroxide, by V.A. Shushunov, B.A. Redoshkin, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXIV, No 4, 1962,
pp 832-838.

CB

Sci

Feb 63

232, 716

Kinetics of Thermal Decomposition of Cyanamides of
the Alkali and Alkali Earth Metals, by V. A. Shushunov,
A. M. Pavlov, 4 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII, No 9,
1955, pp 934-938. CIA C 42516

Consultants Bureau

35,769

Scientific - Chemistry
Jun 56/dex

Isotopic Exchange of Carbon Between Solid Carbonates
of Lithium, Sodium, Potassium, Barium Caseous
Carbon Dioxide, by V. A. Shushunov, and co-workers,
7 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2,
1956, pp 321-328. 9047609

Tech and Comm Tr

Sci - Chemistry

37,265

Aug 56 CTS/Dex

V
Effect of Sodium Chloride Additions on the Thermal
Decomposition Rate of Cyanamides of the Alkali
Earth Metals, by V. A. Shushunov, A. M. Pavlov, 4 p

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVIII, No 11,
Nov 1955, pp 1161-1164. CIA C 43056

Consultants Bureau

Sci - Chemistry

Aug 1956

36,895

A New Kind of Topochemical Reactions, by M. E.
Mayman, V. A. Smakunov

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
LX, No 8, 1948, pp 1347-1350.

Sci Ma Lib 50/3022

Scientific - Chemistry

A-8443

38,015

ATD-34J11K

A Kinetic Method of Physicochemical Analysis.
II. Kinetics of the Reaction of Tinsodium
Alloys With Ethyl Bromide Vapor, by M. B.
Weyman, V. A. Shushanov, 30 pp.

RUSSIAN, no per, Zhur Fiz, Khim, Vol XXII,
No 2, 1948, pp 145-155.

Sci Tr Center
RT-3924

37,879

Sci - Chemistry

Aug 1956

The Kinetic Isotopic Effect in the Reactions of
Hydrogen and Tritium With the Oxides of Certain
Metals, by V. A. Shushunov, B. Ya. Andreyev, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4,
1958, pp 689-.

Consultants Bureau

Sci - Phys

Sep 59

97658

Synthesis of Potassium, Sodium, and Calcium
Cyanamides, by V. A. Shushunov, A. M. Pavlov,
4 pp.

RUSSIAN, no par, Zhur Prikl Khim, Vol XXVIII,
No 1, USSR, Jan 1955, pp 98, 99. CIA D 151338

D 251169

Consultants Bureau

Scientific - Chemistry

OTS 69/Jun 55

24,569

Thermal Decomposition of Potassium and Sodium
Cyanamide, by V. A. Shushinov, A. N. Pavlov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XXXIX, No 6, 1953, pp 1033-1036.

CIA/PDD/X-1365

Scientific - Chemistry
CFB/DEK

12,674

An Investigation of Particle-Like Solutions
of a Nonlinear Scalar Field Equation, by V. B.
Glasko, F. Ieriust, Ja. P. Terletskii, S. F.
Shushurin, 4 pp. Ya.

RUSSIAN, per, Zhur Ekaper i Teoret Fiz,
Vol. XXXV, No 2(8), 1958, pp 452-457.

Amer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 2

Sci - Phys

84,154

Apr 59

Choice of Parameters for Design Calculations of Low Head Axial Hydroturbines,
by A. E. Shusko,
RUSSIAN, per, Tруды Лаборатории Гидрав-
лических, No II, 1964, pp 116-124.
NUL RIS 2954

60

A. E. Shusko

Sci-Engr
Jul 66

304,352

F. I. Sinitsyn

The thermal conductivity of gases at high temperature.

35 pp

RUSSIAN, Zhurnal eksperimental'noy i teoreticheskoy

fiziki, Vol 5, No 9, 1935, pp 870-889

AIR/FTD-RT-25 24-1597-71

oct 8 72

Decompression Changes in Blood, by V. Shust, 6 pp

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol XLVI, No 5, 1960, pp 618-622

Pergamon Press

Sol
Nov 60

132,938

Operation of Jet Airplanes on Dusty Airdromes,
by V. Shust, 5 pp. UNCLASSIFIED

RUSSIAN, per, Vest Voz Flota, No 7, Jul 1954,
pp 51-56, Encl to AFOIN-1A1 Report IR-217-55,
17 Mar 1955. CIA D 191948

AF 657300

24,266

USSR
Military

Jun 55 OTS/DEX

Disappearance of Sulfate From Water of Devonian
Deposits, by N. D. Shustef.

RUSSIAN, per, Neft Khoz, Vol XXXII, No 12, 1954,
pp 36-39.

Tech and Commercial Tr
2135 Spruce Street,
Philadelphia 3, Penn.

Scientific - Chemistry; *Fuels*
CTS 75/Dec 55

29, 211

PRESSING PROBLEMS CONCERNING THE ECONOMIC
EFFECTIVENESS OF CAPITAL INVESTMENT AND NEW
TECHNOLOGY, BY A. BRISTER, 10 PP.

RUSSIAN, PER. VOPROSY EKONOMIKI, MOSCOW, 1969,
1969, PP 155-160.

APR 1969

USSR
ECON

231,241

Intratracheal Administration of Penicillin
in Pulmonary Suppurations by A.Ya.Shuster
and A.Ya.Verbyakova

RUSSIAN, no per, Voenno Med Zhur, No 6,
Moscow, Jun 1958, pp 20-25

US JPRS(NY) 866

Sci - Medicine
Dec 58

77,290

Recent Problems in Pneumatic Installations
From the Technological Viewpoint, by K.
Shuster, H. Kleninger.

GERMAN, per, Bauwelt, Vol XCVIII,
No 37, 1958, pp 685-687.

CSIRO

207, 658

Sci- Engr
Jul 62

(FDD 20167)

of
The Concentration/Cretine-Phosphoric Acid Content in
Brain Tissues During Death and Subsequent Revivifi-
cation, by M. I. Shuster, 14 pp.

RUSSIAN, bino per, Arkh Patol, Vol XV, No 2, Moscow,
Mar/Apr 1953, pp 55-60.

CIA/FDD/U-5914

USSR

Sci - Med

15,292
May 54 CIB

KM The Problem of the Presence of Devitrite in
Foam Glass, by R. L. Shuster, T. P. Polyakova,
6 pp.

RUSSIAN, bk, Trudy Inst Stroitel'stva i
Stroymaterialov, No 2, Iz Ak Nauk SSSR, Alma-
Ata, 1959, pp 163-166. 9683276

FTD-TT-63-275

Sci-Chem
Jun 63

234,555

Resistance to Vibrations of a Hydrostatic Thrust
Bearing, by S. A. Sheinberg, V. G. Shuster, 5 pp.

RUSSIAN, par, Stanki i Instrument, Vol XXXI,
No 11, 1960, pp 23-27.

PERA

Sci

May 61

151, 330

(FDD 25440)

The Epidemiology of Exanthematous Typhus, by I. B. Shusterman, A. I. Naumov, Ye. S. Zhuravleva, 4 pp.

RUSSIAN, no per, Zhur Mikrobiol, Epidemiol i Immunobiol, No 6, 1955, pp 102,103.

CIA/FDD U-8600

USSR

Sci - Medicine, exanthematous typhus

37.796

The Approximate Solution of the Equation of
Phase of Oscillation of a Vacuum-tube Oscillator
With Applied External e.m.f., by A. N.
Shusterovich, 13 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol V,
No 4, 1960, pp 568-577.

PP

164,494

Sci

Aug 61

Approximate Solution of the Differential
Equation of an APC Circuit for the Steady-
State Condition, by A. N. Shusteroich,
7 pp.

RUSSIAN, per, Radiotekh i Elektron, No 5,
1962.

AIEE

Sci

Jan 63

220,280

Impulse Hyperbolic System, by M. I. Finkel'shtein,
A. N. Shusterovich, 15 pp.

RUSSIAN, per, Radio-Navigation, pp 55-68.

ATIC F-TS-8123

Scientific - Aeronautics

CTS/DEX

CIA 1711976

A 2567

On the Steepness of the Forward Front of an
Impulse Created by Several Forming Circuits,
by An. M. Shustarovich, 5 pp, (AF 640651).

RUSSIAN, bimo per, Radiotekhnika, No 4,
Jul/Aug 1954, p 74. CIA V 6150

ATIC P-TS-0442/N

Scientific - Electronics 34,990

Jun 56 CTS/dax

Estonian SSR, by M. I. Shustikov, 17 pp.

RUSSIAN, Transcript of Paper Read in School,
Party Propagand School of the Central Executive
Committee, Communist Party of the Soviet Union,
1955.

OCB Tr 13

USSR
Geographic

43,871

Functions of the Frontal Lobes, by H. A. Savustin,
4 pp.

RUSSIAN, par, Fiz Zhur SSSR in I. M. Sechenova,
Vol XLIV, No 11, 1958, pp 1087-1090.

Pergamon Inst

Sci - Med
Mar 59

82,734

Materialistic and Idealistic Concepts of the Nature
of Voluntary Reactions, by N. A. Shustin, 6 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova,
Vol XLVII, No 10, 1961.

Elsevier Pub Co

Sci

Nov 62

216,360

The Imitative Motor Reflex, by N. A. Shust'ina
6 pp

RUSSIAN, per Fiziol Zhur SSSR, izvesti I-M
Sechenova, Vol XLVI, No 2, 1960, pp 256-261
#161-

FF

Sci

Oct 60

1301168

~~"Evolution of the Function of the Cerebellum and Large Cerebral Hemispheres."~~ (Evolution of the Function of the Cerebellum and Large Cerebral Hemispheres.)", by A. I. Karamyan (Reviewed by N. A. Shustin), 4 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova, Vol 5, 1957, pp 457-484.

Pergamon Institute

Sci - Med

May 58

63,643

S-235/60

(NY-3839).

The Use of Hypothermy in Neurosurgical Operations,
by B. A. Samotokin, A. B. Gorbatshevich, V. A.
Shustin, 9 pp.

RUSSIAN, per, Voprosy Neyrokhirug, Vol XXIII, No 1,
1960, pp 21-26.

JPRS 2725

Sci - Med
Jun 60

117,057

The Electronic Structure of Ferrivinyl
Cation and of Other Aromatic Metal Com-
plexes, by E. M. Shustorovich, M. E.
Ryatkina.

RUSSIAN, per, Doklady Akademii Nauk SSSR,
Vol 133, No 1, 1960, pp 141-143.
SIA TT-66-10649

E. M. Shustorovich

Sci-Chem
Jul 66

305,565

I. Valency States of the Elements of the First
Transition Period in Bis-Cyclopentadienyl
Compounds, by E. M. Shustorovich,
M. E. Dyatkina, 18 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 12, 1958, pp 2721-2735.

AEC-tr-4460
PL-480

206,598

Sci
Aug 62
PST-382

The Molecular Orbitals Of Dibenzene-Chromium Ferrocene And
Cobaltic Cation Complex, by E. M. Shustorovich, M. E. I
Dyatkina.

RUSSIAN, per, Akademiya Nauk SSSR. Doklady., 1959,

pp ~~1234-7~~ 1234-1237
SLA TT-65-18052

E. M. Shustorovich

344,890

Calculation of the Ground States of Dibenzenechromium
the Cobalticinium Cations, and Chromocene by the
Self-Consistent Molecular Orbital Method, ~~XXX~~
by E. M. Shustorovich, M. E. Dyatkina, 9 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol II,
No 1, 1961, pp 49-58.

CB

Sti
Jun 62

200,165

The Valency States of the Central Atoms in
Aromatic Complexes Formed by Metals, by
M. E. Dyatkina, E. M. Shustorovich, 7 p.

RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 2,
1959, pp 402-416.

Cleaver-Hume Press Ltd.
London

Sci - Chem
Jan 60

106,575

The Valency States of the Central Atoms in
Aromatic Complexes Formed by Metals, 3 p.
by *E. M. Shustorovich, M. F. Dyatkina,*
RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 3,
1959, pp 553-558.

Cleaver-Hume Press Ltd.
London

Sci-Chem
Jan 60

106,545

Molecular Orbitals of $\text{Cr}(\text{C}_5\text{H}_5)_2$
(Dibenzenechromium) $\text{Fe}(\text{C}_5\text{H}_5)_2$ Ferrocene or
Biscyclopentadienyliron⁵ and $\text{Co}(\text{C}_5\text{H}_5)_2^+$
(Biscyclopentadienylcobalt Ion), by
E. M. Shustorovich, M. E. Dyatkina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 6,
1959, pp 1234-1237.

Consultants Bureau

Sci

126,588

Sen 60

Synthesis of 7-Cyano-2,6-dimethyl- and 2,3,6-Trimethylheptadienes-2,6, The Nitriles of Geranic and 3-Methylgeranic Acids, by I. K. Sarycheva, E. M. Shustorovich, G. A. Vorob'yeva, N. A. Preobrazhenskiy, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 4, 1959, pp 1189-1191.

Consultants Bureau

Sci

Jun 60

117,657

Calculation of Two-Centre Molecular Integrals
Including d-orbitals, by E.M. Shustorovich, M.E.
Dyatkina, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, No 3, 1960, pp 644-650.

Cleaver-Hume Press

135,269

Sci
Jan 61

The Molecular Orbital Self-Consistent-Field Determination of the Ground State of Ferrocene, by E. M. Shustorovich, M. E. Dyatkina, 13 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol I, No 1, 1960, pp 109-121.

CB

Sci
Jul 61

157, 534